such engagement and a second non-engaging surface, said varying concentration of said heat conducting elements decreasing in concentration from said first friction surface to said second non-engaging surface, said heat conducting elements transferring heat away from the first friction surface of said functionally graded material to the second non-engaging surface.

11. **(Twice Amended)** In a composite friction material having opposed surfaces with one surface engaging a movable, engageable part, the improvement comprising heat conducting elements disposed in said composite friction material in a selected arrangement and a varying concentration for transferring heat away from said engaging surface to a non-engaging surface, said varying concentration of said heat conducting elements decreasing in concentration from said first friction surface to said second non-engaging surface, said heat conducting elements being woven with fibers forming the composite friction material.

13. (Amended) The friction material according to claim 12, wherein said plurality of metal components comprise members selected from the group consisting of filaments, threads, and wires.

Please add new claims 21, 22, and 23 as follows:

21. A friction material as set forth in claim 8, wherein the density of said heat conducting elements on said first friction surface ranges between about 22.5% to about 42.5% on a weight percent basis.

22. A friction material as set forth in claim 4, wherein said heat conducting elements comprise copper threads, said copper threads being woven with said aramid fibers.

23. A friction material as set forth in claim 8, wherein the varying concentration